

PROJECT TITLE : PROTAGORAS
PERIOD COVERED : NOVEMBER 11 - DECEMBER 23, 1981
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INFLUENCE OF PH ON PROTEIN EXTRACTION

Burley strips were extracted in a 1 : 10 ratio with water solutions at different pH values.

More proteins could be extracted in acid or basic conditions than with water alone. Furthermore the extraction of protein at high pH (10 - 12) was about 15% more efficient if the tobacco had been previously extracted at a low pH.

The optimal pH for the subsequent enzyme step was determined as being between 8.5 and 9.5.

Schulthess

Schulthess-D.

GNB/jig/JANUARY 5, 1982

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